

BGWSF  
1.4

PRELIMINARY UPLAND ASSESSMENT REPORT  
McCONKEY/SEŠKO SITE  
1725 PENNSYLVANIA AVENUE  
BREMERTON, WASHINGTON

OCTOBER 26, 2007

FOR  
CITY OF BREMERTON

USEPA SF



1359963



W:\SEATTLE\PROJECTS\10892017\100\CAD\1089201700-FIGURES.DWG\TAB:F3, MODIFIED BY BKARN ON SEP 20, 2007 - 14:22

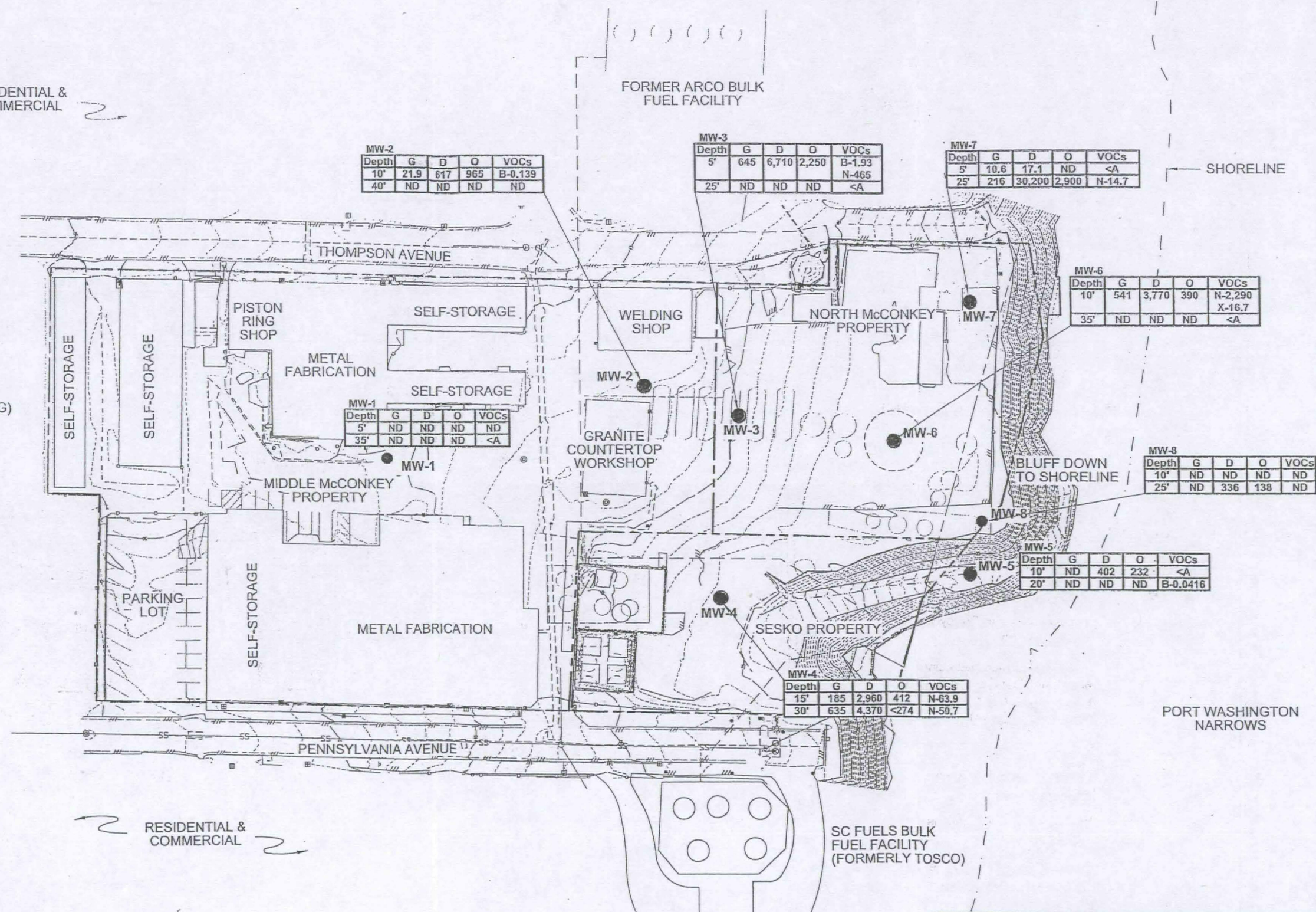
### Legend:

- Site Boundary
- MW-1 ● Monitoring Well Location
- G = Gasoline Range Hydrocarbons
- D = Diesel Range Hydrocarbons
- O = Oil Range Hydrocarbons
- VOCs = Volatile Organic Compounds
- B = Benzene
- N = Naphthalene
- ND = Not Detected
- <A = Less than MTCA Method A Clean-up Level
- The reported concentrations are in mg/kg.
- Exceeds MTCA Cleanup Level for one or more constituents

### Notes:

1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. can not guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

Reference: Base drawing provided by Parametrix (May 2007) and historic features provided by ECI and Techlaw, untitled and undated.

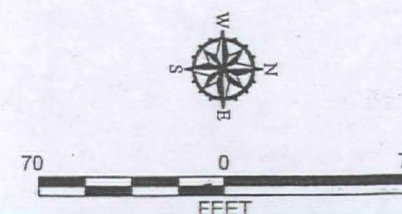


### Summary of Petroleum Hydrocarbon and VOC Data for Soil

McConkey/Sesko Site  
Bremerton, Washington

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Figure 3





W:\SEATTLE\PROJECTS\1010892017\100\CAD\089201700-FIGURES.dwg(TAB:F4, MODIFIED BY BKARN ON SEP 20, 2007 - 14:22

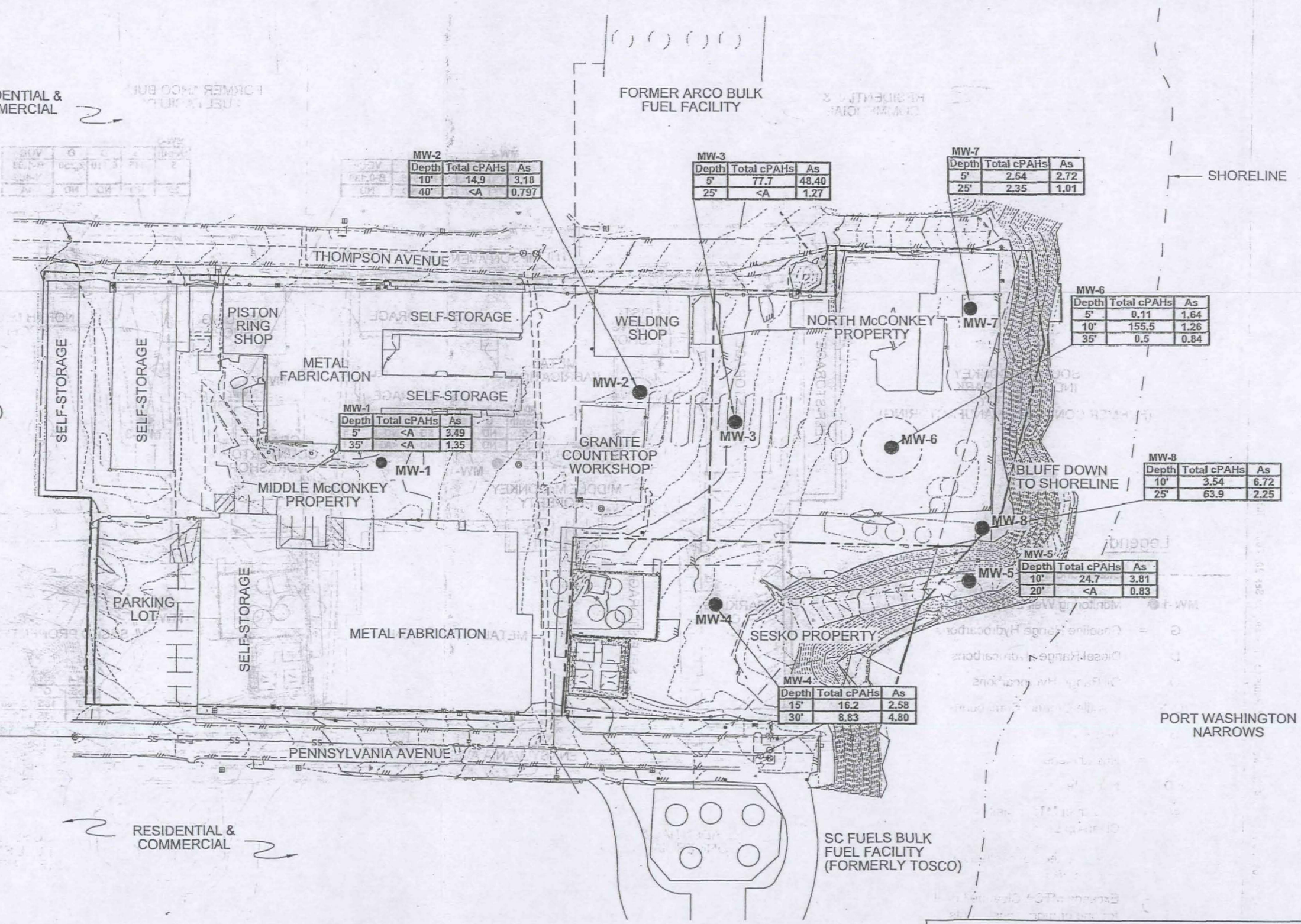
Legend:

- Site Boundary
- MW-1 ● Monitoring Well Location
- Total cPAHs = Total Carcinogenic Polycyclic Aromatic Hydrocarbons
- Total cPAHs calculated using toxic equivalent (TEQ) relative to benzo(a)pyrene per WAC173-340-780(8).
- As = Arsenic
- <A = Less than MTCA Method A Clean-up Level
- The reported concentrations are in mg/kg.
- Exceeds MTCA Cleanup Level for one or more constituents

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Depth	Total cPAHs	As
10'	14.9	3.18
40'	<A	0.797

Depth	Total cPAHs	As
5'	77.7	48.40
25'	<A	1.27

Depth	Total cPAHs	As
5'	2.54	2.72
25'	2.35	1.01

Depth	Total cPAHs	As
5'	0.11	1.64
10'	155.5	1.26
35'	0.5	0.84

Depth	Total cPAHs	As
5'	<A	3.49
35'	<A	1.35

Depth	Total cPAHs	As
10'	3.54	6.72
25'	63.9	2.25

Depth	Total cPAHs	As
10'	24.7	3.81
20'	<A	0.83

Depth	Total cPAHs	As
15'	16.2	2.58
30'	8.83	4.80

Summary of cPAH and Arsenic Data for Soil

McConkey/Sesko Site  
Bremerton, Washington

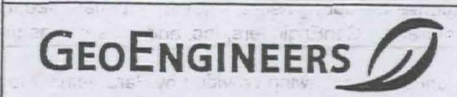


Figure 4



W:\SEATTLE\PROJECTS\10892017\100\CAD\089201700-FIGURES.DWG\TAB.F5 MODIFIED BY BKARN ON SEP 20, 2007 - 14:22

RESIDENTIAL & COMMERCIAL

FORMER ARCO BULK FUEL FACILITY

SHORELINE

SOUTH McCONKEY INDUSTRIAL PARK PROPERTY (FORMER CONCRETE MANUFACTURING)

Legend:

- Site Boundary
- MW-1 ● Monitoring Well Location
- G = Gasoline Range Hydrocarbons
- D = Diesel Range Hydrocarbons
- O = Oil Range Hydrocarbons
- CT = Carbon Tetrachloride
- VOCs = Volatile Organic Compounds
- B = Benzene
- N = Naphthalene
- ND = Not Detected
- <A = Less than MTCA Method A Clean-up Level

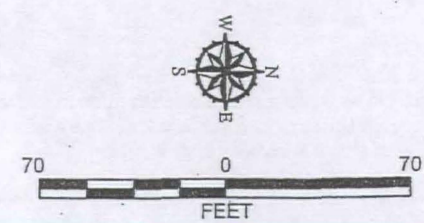
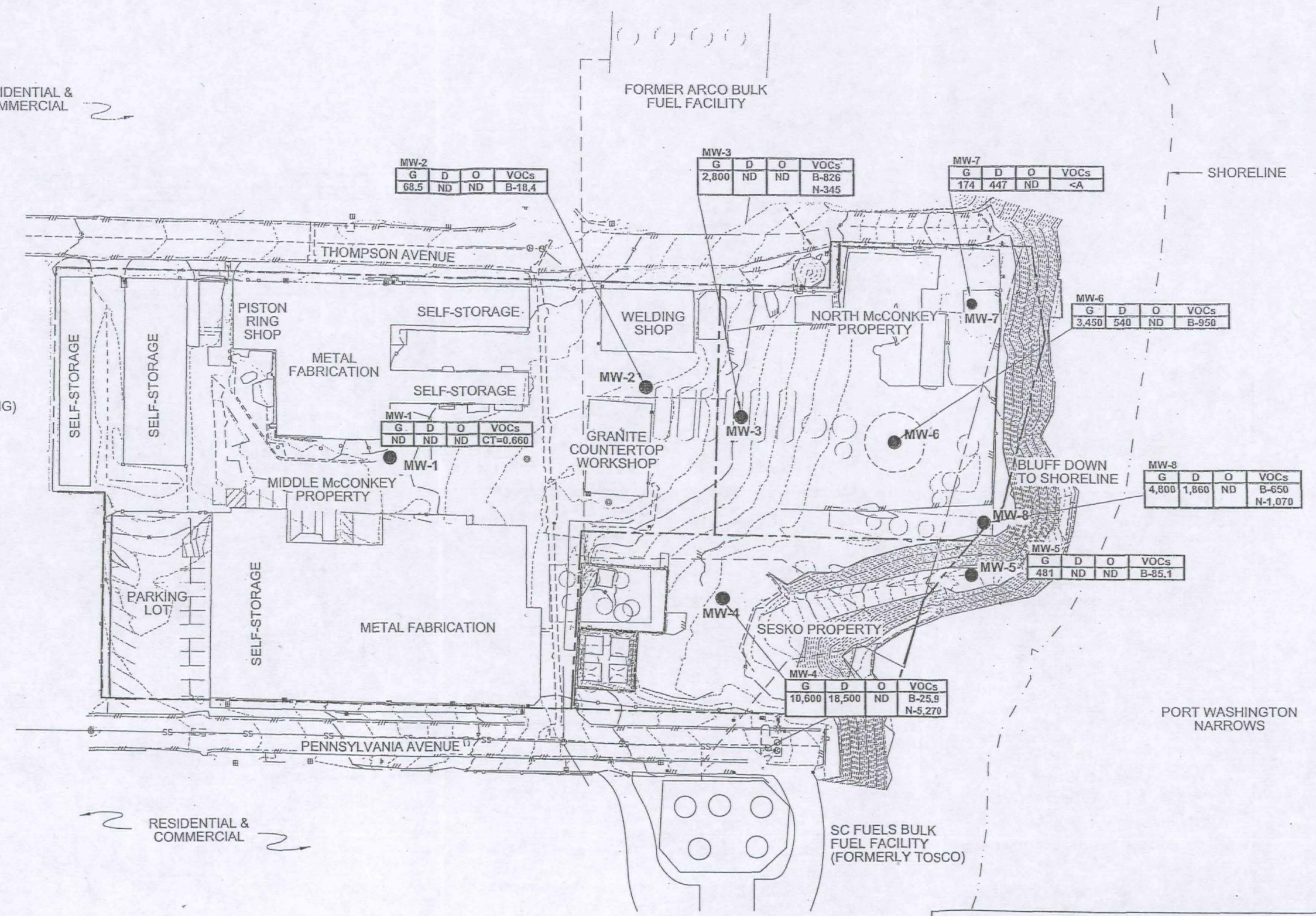
The reported concentrations are in µg/L.

- Exceeds MTCA Cleanup Level for hydrocarbons
- Exceeds MTCA Cleanup Level for carbon tetrachloride

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Summary of Petroleum Hydrocarbon and VOC Data for Groundwater

McConkey/Sesko Site  
Bremerton, Washington

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Figure 5



SOUTH McCONKEY INDUSTRIAL PARK PROPERTY  
(FORMER CONCRETE MANUFACTURING)

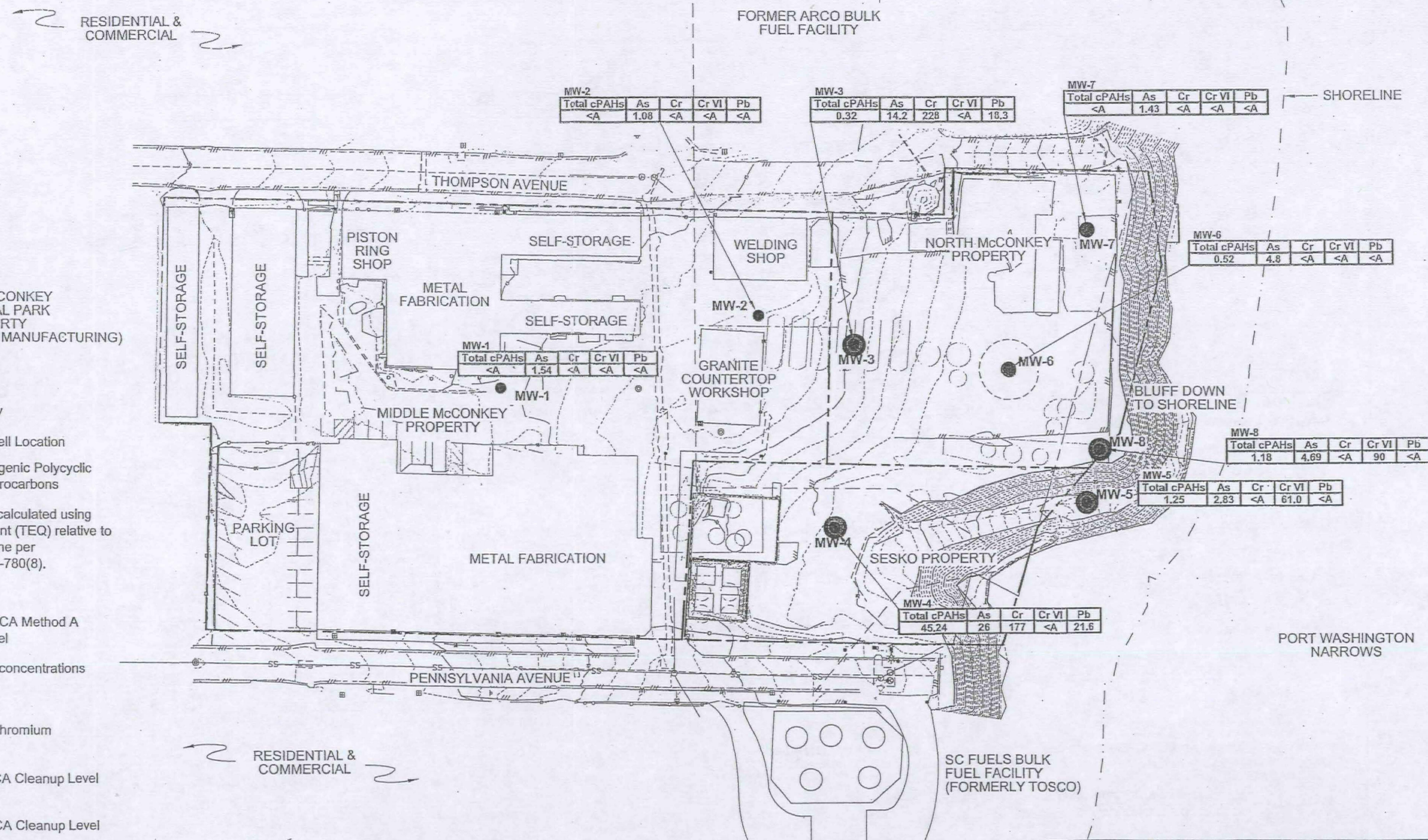
# Legend:

- Site Boundary
- MW-1 ● Monitoring Well Location
- Total cPAHs = Total Carcinogenic Polycyclic Aromatic Hydrocarbons
- Total cPAHs calculated using toxic equivalent (TEQ) relative to benzo(a)pyrene per WAC173-340-780(8).
- As = Arsenic
- <A = Less than MTCA Method A Clean-up Level
- The reported concentrations are in µg/L.
- Cr = Chromium
- Cr VI = Hexavalent Chromium
- Pb = Lead
- Exceeds MTCA Cleanup Level for metals
- Exceeds MTCA Cleanup Level for CPAHs

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## Summary of cPAH and Dissolved Metals Data for Groundwater

McConkey/Sesko Site  
Bremerton, Washington

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Figure 6

